

Inoculation

Aerobic Cultures:

AMB-1 must be grown aerobically prior to transformation to prevent magnetosome formation. Magnetosomes will cause cells to die during electroporation. Simply inoculate 500 uL of cells in 5 mL of E-MSGM supplemented with 50 uL of Iron Maleate and 50 uL of vitamin solution in culture tubes on a shaker at 30C. In 48 hours, cells will be concentrated enough for transformation.